WDR

DATE: 2/20/79

TO: ~~[redacted]~~ R. JENNINGS

FROM: R. L. GEHRIG

SUBJECT: (Verification) - Inspection - Complaint (#) - Other (Specify)

On FEBRUARY (Month) 6 (Day), 1979, an investigation was conducted on the following facility. by myself AND JOHN PALKOVIC.

Facility Name: GATES GALESBURG HOSEPLANT

Address: RR 3 KNOXVILLE ROAD
GALESBURG, ILLINOIS 61401

I. D. #: 095 808 AAB

Follow-up Letter - Attention: CHUCK MEYER, JR.

Person worked with: PLANT ENGINEER

[redacted]

Remarks: (Description of all violations or problem areas)

The new equipment consided of four new degreasing machines for hydraulic hoses. These new machines emit 70.8 Tons/year of HC and are permitted.

The collection bins on the lead dross bins have a housekeeping problem. The ga on this control equipment are not operable as

WD 11

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY RECEIVED JAN 21 1981 IEPA-DLPC-SPFLD MEMORANDUM

DATE: 1/13/81 1/19/81 PK

TO: Miles Zamec

FROM: R. Jennings/J. TRIPSES Reg. II District 201

SUBJECT: Facility: GATES HOSEPLANT ID 095808AAB

Address: RR3, KNOXVILLE RD, GALESBURG, ILLINOIS 61401

Person Contacted and Title: CHARLES ROBERTSON, DESIGN ENGINEER

Date & Basis of Investigation: 1/12/81 - ANNUAL

[redacted]

Comments: THIS PLANT MANUFACTURES HYDRAULIC HOSE, GARDEN HOSE, HIGH PRESSURE AIR HOSE, AND AUTOMOBILE HOSE. THE PLANT WAS IN OPERATION DURING THE VISIT. CHARLES ROBERTSON OF THE DESIGN DEPARTMENT WAS CONTACTED. HE CONDUCTED THE TOUR OF THE PLANT. THE PLANT HAS TWO GAS FIRED BOILERS. ONE IS USED ALMOST CONSTANTLY. THE OTHER IS USED ONLY FOR STANDBY. THE FIRST BOILER DOES HAVE A PERMIT FOR OIL BUT BECAUSE OF FIRM NATURAL GAS CONTRACTS OIL IS NEVER USED. NO VIOLATIONS WERE OBSERVED DURING THE VISIT.

cc. D. HAYDEN DH

WD 10

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

3/26/82

RECEIVED

MAR 29 1982

IEPA - DAPC - SPFLD

DATE: 3/24/82

TO: Miles Zamco

FROM: R. Jennings/ J. Tripses Region II District 201

SUBJECT: Facility: Gates Hose Plant I.D. 095 808 AAB

Address: RR 3, Knoxville Rd, Galesburg, Illinois 61401

Person Contacted and Title: Charles Robertson, Design Engineer

Date & Basis of Investigation: 3/19/82 - Annual

[redacted]

[redacted]

[redacted]

Comments:

This plant manufactures hydraulic hose, garden hose, high pressure air hose, and automotive hose. The plant was in operation during the visit. Charles Robertson conducted a tour of the facility. The facility is listed on the TAS as a lead source. Lead is melted, extruded into tubes, used to form the hose, stripped off and melted. These processes are controlled by a baghouse. No violations were observed during the visit.

cc. D. Hayden

EPA-90 (Rev. 10/'81

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY wD9 MEMORANDUM

RECEIVED

OCT 26 1983

IEPA - DAPC - SPFLD

DATE: October 19, 1983

TO: Miles Zamco

FROM: R. Jennings/ W. Kahila Region II District 201

SUBJECT: Facility: Gates Rubber Company I.D. 095 808 AAB

Address: R.R. #3, Knoxville Rd. - Galesburg, IL 61401

Person Contacted and Title: Charles Robertson - plant engineer

Date & Basis of Investigation: October 18, 1983

[redacted]

Comments:

This facility makes rubber hose of various types. The plant was in operation during my visit. The main emission sources are two gas-fired boilers, three rubber formulation mixers, and a molten lead operation. The lead is melted and extruded into tubes which are used to form the rubber hose. After the rubber hose is formed and cured, the lead is removed and reused. Emissions are controlled by a baghouse. No problems were observed.

cc: D. Hayden

10/24/83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY MEMORANDUM

wb9

DATE: May 16, 1984

TO: Miles Zamco

FROM: R. Jennings/ W. Kahila Region II District 201

SUBJECT: Facility: Gates Rubber Company I.D. 095 808 AAB

Address: R.R.#3, Knoxville Road, Galesburg, Illinois 61401

Person Contacted and Title: Charles Robertson, Plant Engineer

Date & Basis of Investigation: 5/16/84

X Significant ____ TAS Update X Other (Explain) Annual + A1

Emissions (List sources and calculations, Actual & Allowable, lb/hr, T/Yr.):

Mixers = 0.1 lb/hr actual, 3 allowed

Lead Melters: 0.1 lb/hr actual, 4 allowed

Disposition: X Form 177 ____ TAS Update ____ Warning Letter

X No violations observed and facility has all necessary permits.

____ On Quarterly Report

Comments:

This facility makes rubber hoses of various types and the plant was in operation during this inspection. The main emission sources are two 96 million BTU/hr natural gas fired boilers, three rubber formulation mixers and a molten lead process.

One of the boilers was running at about 75% load.

The three mixers mix the various rubber compound ingredients. The dust emissions are controlled by a baghouse.

The lead is melted and extruded into tubes which are used to form certain types of rubber hose. After the rubber hose is formed, the lead is removed and reused. Emissions are controlled by a baghouse.

No problems were observed.

5-17-84

RECEIVED
MAY 21 1984
IEPA - DAPC - SPFLD

cc: D. Hayden

EPA-90 (Rev. 10/'81

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY MEMORANDUM

w09

DATE: May 16, 1984

TO: Miles Zamco

FROM: R. Jennings/ W. Kahila Region II District 201

SUBJECT: Facility: Gates Rubber Company I.D. 095 808 AAB

Address: R.R.#3, Knoxville Road, Galesburg, Illinois 61401

Person Contacted and Title: Charles Robertson, Plant Engineer

Date & Basis of Investigation: 5/16/84

[redacted]

Comments:

This facility makes rubber hoses of various types and the plant was in operation during this inspection. The main emission sources are two 96 million BTU/hr natural gas fired boilers, three rubber formulation mixers and a molten lead process.

One of the boilers was running at about 75% load.

The three mixers mix the various rubber compound ingredients. The dust emissions are controlled by a baghouse.

The lead is melted and extruded into tubes which are used to form certain types of rubber hose. After the rubber hose is formed, the lead is removed and reused. Emissions are controlled by a baghouse.

No problems were observed.

5-17-84

RECEIVED
MAY 21 1984
IEPA - DAPC - SPFLD

cc: D. Hayden

IEPA-80 (Rev. 10/'81)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Division of Air Pollution Control--Field Operations Section

MEMORANDUM

DATE: August 14, 1985

Date of Inspection: August 13, 1985

TO: M. Zamco

I.D.#: 095 808 AAB

FROM: R. Jennings/W. Kahila

Region: 2 District: 1

RECEIVED
AUG 16 1985
IEPA - DAPC - CFTB

SUBJECT: Facility: Gates Rubber Company

Address: R.R.#3, Knoxville Rd., Galesburg, IL 61401

Contact/Title: Tom Vef, Plant Engineer Phone: 343-7171

This facility makes rubber hoses of various types. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

One of the boilers was operating to provide process heat. The mixers mix the various ingredients for the rubber compounds and have a bag filter for dust emissions control.

Lead is melted in two melting pots and is extruded into tubes which are used to form certain types of rubber hose. After the hose is formed and cured, the lead is stripped off and reused. Emissions are controlled by a bag filter.

WK/pm

cc: W. Kahila
D. Hayden
L. Benson
I.D. #095 808 AAB

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Division of Air Pollution Control--Field Operations Section

MEMORANDUM

DATE: June 25, 1986 Date of Inspection: June 24, 1986

TO: M. Zamco-APC-Spfld I.D. #: 095 808 AAB

FROM: R. Jennings/W. Kahila Region/District: II/201

IEPA - DAPC - SPFLD

SUBJECT: Facility: Gates Rubber Company

Address: R.R. #3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engr. Phone: 345-5467

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

One of the boilers was operating to provide process heat. The mixers mix the various ingredients for the rubber compounds and have bag filters for dust control.

Some of the uncured rubber hose is coated with lead before being cured. After curing, the lead is stripped and reused. There are two melting pots, two extruders where the hose is coated with the lead, and several strippers. Emissions are controlled by bag filters.

A new small source is a hose rinser. Certain hoses are rinsed out with a solvent.

All emission sources have current operating permits.

WK/lsb

cc: -W. Kahila
-D. Hayden
-L. Benson
-I.D. File

WD4

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

Division of Air Pollution Control--Field Operations Section

DATE: June 26, 1987

Date of Inspection: June 25, 1987

TO: M. Zamco-APC-Spfld

Last Insp. Date: June 24, 1986

FROM: R. Jennings/W. Kahila

Region/Distirct: II/201

SUBJECT: Facility: Gates Rubber Company I.D. #: 095 808 AAB

Address: R.R. #3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engr. Phone: 345-5467

PRE-INVESTIGATION STATUS: Workplan - (U)A-1
INSPECTION FINDINGS: No Violation - TAS Checked
- Form 177

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

Some of the uncured rubber hose is coated with lead before being cured. After curing, the lead is stripped and reused. There are two melting pots, two extruders where the hose is coated with the lead, and several strippers. Emissions are controlled by bag filters.

A hose flusher and tester has been changed to use an alkaline water solution instead of an organic solvent. The hoses processed here are rubber 5/16" and 3/8" I.D. automotive fuel line of about a foot long with metal fittings on both ends. Those hoses are pressurized with compressed air in order to check for leaks and then are flushed out with the water solution in order to remove any dirt from the inside. These hoses represent a small percentage of the total production of this facility. There are no vents from this process to the outside air. I do not see any way that there could be any emissions from this operation.

There are three Banbury mixers that mix the ingredients for the various rubber compounds. There is also dry, powdered material storage and handling. Bag filters control dust emissions from these operations.

All emission sources have current operating permits.

WK/lb
0069F

cc:-W. Kahila WK
-D. Hayden
-L. Benson
-I.D. 095 808 AAB
-M. Patel-APC-Permits 7/2/87

IL 532-1245
APC 422(Rev.7/86)

WD4

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Division of Air Pollution Control--Field Operations Section

MEMORANDUM

DATE: June 26, 1987 Date of Inspection: June 25, 1987

TO: M. Zamco-APC-Spfld Last Insp. Date: June 24, 1986

FROM: R. Jennings/W. Kahila Region/Distirct: II/201

SUBJECT: Facility: Gates Rubber Company I.D. #: 095 808 AAB

Address: R.R. #3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engr. Phone: 345-5467

[redacted]

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

Some of the uncured rubber hose is coated with lead before being cured. After curing, the lead is stripped and reused. There are two melting pots, two extruders where the hose is coated with the lead, and several strippers. Emissions are controlled by bag filters.

A hose flusher and tester has been changed to use an alkaline water solution instead of an organic solvent. The hoses processed here are rubber 5/16" and 3/8" I.D. automotive fuel line of about a foot long with metal fittings on both ends. Those hoses are pressurized with compressed air in order to check for leaks and then are flushed out with the water solution in order to remove any dirt from the inside. These hoses represent a small percentage of the total production of this facility. There are no vents from this process to the outside air. I do not see any way that there could be any emissions from this operation.

There are three Banbury mixers that mix the ingredients for the various rubber compounds. There is also dry, powdered material storage and handling. Bag filters control dust emissions from these operations.

All emission sources have current operating permits.

WK/lb
0069F

cc:-W. Kahila WK
-D. Hayden
-L. Benson
-I.D. 095 808 AAB
-M. Patel-APC-Permits 7/2/87

copy sent to Bobbie Gates 7/10/87

IL 532-1245

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ND3 MEMORANDUM

Division of Air Pollution Control--Field Operations Section

DATE: June 30, 1988 Date of Inspection: June 28, 1988

TO: M. Zamco-APC-Springfield Last Insp. Date: June 25, 1987

FROM: R. Jennings/W. Kahila WK Region/Distirct: II/201

SUBJECT: Facility: Gates Rubber Company I.D. #: 095 808 AAB

Address: R.R.#3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engineer Phone: 345-5467

[redacted]

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

One permit, No. 7211 1011 which expires in March, 1990, covers all of the emission sources at this facility.

Boilers:

There are two boilers of about 96 million BTU/hr input each. They usually burn natural gas, but sometimes use fuel oil. Last year there were about six days where fuel oil was burned.

Compounding Area:

In this area the various dry ingredients for the rubber compounds are handled, measured, and weighed. A bag filter controls dust emissions. Emissions are 0.2 lbs/hr actual with 5 lbs/hr allowed.

Banbury Mixers:

There are three Banbury mixers where the various ingredients are mixed for rubber compounds. Air suction through bag filters control dust emissions. Emissions are about 0.04 lbs/hr each with 3 lbs/hr allowed.

IL 532-1245
APC 422(Rev.7/6/86)

7/6/88

Mandrel Extruder:

This extruder forms some types of hose and has a bag filter for dust control. A mica powder is used as a lubricant in the extruder. Emissions are negligible with 0.7 lbs/hr allowed.

Cover Extruders:

There are six cover extruders that form a rubber outside layer over hose cores. Bag filters control dust emissions. Emissions are 0.1 lbs/hr with 3 lbs/hr allowed for each extruder.

Lead Processes:

A certain type of hose is made by encasing the uncured rubber hose with lead, heating in a oven to cure the rubber, and then stripping the lead from the cured hose. The stripped lead is reused. The company has been unable to develop a lead-free process that can produce an equivalent quality hose.

There are two lead melters and two drossing machines that coat the uncured hose with a layer of lead. There are five strippers that remove the lead for reuse from the cured hoses after curing in ovens.

Emissions:

	Actual	Allowed
Lead Melters (each)	0.05 lbs/hr	35.4 lbs/hr
Drossing (each)	0.02 lbs/hr	0.6 lbs/hr
Stripping (each)	1.5 lbs/hr	14.9 lbs/hr

Storage Tanks:

There are four small tanks of about 500 gallons each that contain kerosene, barsol, and toluol. Other tanks of about 25,000 gallons each have mineral oil and fuel oil.

General:

The plant was operating at the time of this inspection. No problems were observed.

WK/lc
0069F

cc: -W. Kahila
-L. Benson
-I.D. File

WD2

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Division of Air Pollution Control--Field Operations Section

MEMORANDUM

DATE: June 6, 1989

Date of Inspection: June 1, 1989

TO: M. Zamco-APC-Springfield

Last Insp. Date: June 23, 1988

FROM: R. Jennings/W. Kahila WK

Region/Distirct: II/201

SUBJECT: Facility: Gates Rubber Company I.D. #: 095 808 AAB

Address: R.R.#3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engineer Phone: 345-5467

[redacted]

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

One permit, #72111011 which expires in March, 1990, covers all of the emission sources at this facility.

Boilers:

There are two boilers of about 96 million BTU per hour input each. They usually burn natural gas, but sometimes use fuel oil. Last year there were about six days where fuel oil was burned.

Compounding Area:

In this area, the various dry ingredients for the rubber compounds are handled, measured, and weighed. A bag filter controls dust emissions. Emissions are 0.2 pounds per hour actual with 5 pounds per hour allowed.

Banbury Mixers:

There are three Banbury mixers where the various ingredients are mixed for rubber compounds. Air suction through bag filters control dust emissions. Emissions are about 0.04 pounds per hour each with 3 pounds per hour allowed.

Cement House:

This process is in a building separate from the rest of the facility. Special glues are applied to some types of hose to connect to fittings which makes the connection stronger and better sealed. Emissions are 0.4 pounds per hour of VOC with 8.0 pounds per hour allowed.

6/7/89

IL 532-1245
APC 422(Rev.7/86)

Mandrel Extruder:

This extruder forms some types of hose and has a bag filter for dust control. A mica powder is used as a lubricant in the extruder. Emissions are negligible with 0.7 pounds per hour allowed.

Cover Extruders:

There are six cover extruders that form a rubber outside layer over hose cores. Bag filters control dust emissions. Emissions are 0.1 pounds per hour with 3 pounds per hour allowed for each extruder.

Lead Processes:

A certain type of hose is made by encasing the uncured rubber hose with lead, heating in a oven to cure the rubber, and then stripping the lead from the cured hose. The stripped lead is reused. The company has been unable to develop a lead-free process that can produce an equivalent quality hose.

There are two lead melters and two drossing machines that coat the uncured hose with a layer of lead. There are five strippers that remove the lead for reuse from the cured hoses after curing in ovens. Bag filters control dust emissions.

	Emissions: Actual	Allowed
Lead Melters (each)	0.05 lbs/hr	35.4 lbs/hr
Drossing (each)	0.02 lbs/hr	0.6 lbs/hr
Stripping (each)	1.5 lbs/hr	14.9 lbs/hr

Storage Tanks:

There are four small tanks of about 500 gallons each that contain kerosene, barsol, and toluol. Other tanks of about 25,000 gallons each have mineral oil and fuel oil.

General:

The plant was operating at the time of this inspection. No problems were observed.

WK/pm
0069F

cc: -W. Kahila
-I.D. File

W51

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Division of Air Pollution Control--Field Operations Section

MEMORANDUM

DATE: July 20, 1990

Date of Inspection: July 17, 1990

TO: M. Zamco-APC-Springfield

Last Insp. Date: June 1, 1989

FROM: R. Jennings/W. Kahila WK

Region/Distirct: II/201

SUBJECT: Facility: Gates Rubber Company I.D. #: 095 808 AAB

Address: R.R.#3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engineer Phone: 309/345-5467

[redacted]

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two gas-fired boilers, rubber formulation mixers, and a molten lead process.

One permit, #72111011 which expires in March, 1990, covers all of the emission sources at this facility.

Boilers:

There are two boilers of about 96 million BTU per hour input each. They usually burn natural gas, but sometimes use fuel oil. Last year there were about six days where fuel oil was burned.

Compounding Area:

In this area, the various dry ingredients for the rubber compounds are handled, measured, and weighed. A bag filter controls dust emissions. Emissions are 0.2 pounds per hour actual with 5 pounds per hour allowed.

Banbury Mixers:

There are three Banbury mixers where the various ingredients are mixed for rubber compounds. Air suction through bag filters control dust emissions. Emissions are about 0.04 pounds per hour each with 3 pounds per hour allowed.

Cement House:

This process is in a building separate from the rest of the facility. Special glues are applied to some types of hose to connect to fittings which makes the connection stronger and better sealed. Emissions are 0.4 pounds per hour of VOC with 8.0 pounds per hour allowed.

Mandrel Extruder:

This extruder forms some types of hose and has a bag filter for dust control. A mica powder is used as a lubricant in the extruder. Emissions are negligible with 0.7 pounds per hour allowed.

Cover Extruders:

There are six cover extruders that form a rubber outside layer over hose cores. Bag filters control dust emissions. Emissions are 0.1 pounds per hour with 3 pounds per hour allowed for each extruder.

Lead Processes:

A certain type of hose is made by encasing the uncured rubber hose with lead, heating in a oven to cure the rubber, and then stripping the lead from the cured hose. The stripped lead is reused. The company has been unable to develop a lead-free process that can produce an equivalent quality hose.

There are two lead melters and two drossing machines that coat the uncured hose with a layer of lead. There are four strippers that remove the lead for reuse from the cured hoses after curing in ovens. Bag filters control dust emissions.

	Emissions:	
	Actual	Allowed
Lead Melters (each)	0.05 lbs/hr	35.4 lbs/hr
Drossing (each)	0.02 lbs/hr	0.6 lbs/hr
Stripping (each)	1.5 lbs/hr	14.9 lbs/hr

Storage Tanks:

There are four small tanks of about 500 gallons each that contain kerosene, barsol, and toluol. Other tanks of about 25,000 gallons each have mineral oil and fuel oil.

General:

The plant was operating at the time of this inspection. No problems were observed. PM-10 coding is complete.

WK/lc
0069F

cc: -W. Kahila
-I.D. File

7/23/90

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Division of Air Pollution Control--Field Operations Section

MEMORAN

DATE: May 13, 1992

Date of Inspection: May 13, 1992

TO: M. Zamco-APC-Springfield

Last Insp. Date: May 2, 1991

FROM: R. Jennings/W. Kahila

Region/Distirct: II/201

SUBJECT: Facility: Gates Rubber Company

I.D. #: 095 808 AAB

Address: R.R.#3, Knoxville Road, Galesburg, Illinois 61401

Contact/Title: Chuck Buchna, Plant Engineer

Phone: 309/345-5467

PRE-INVESTIGATION STATUS: Workplan - (U)A-1
INSPECTION FINDINGS: Permit Violation - To MIR - EIS Checked
- EIS Coded

This facility makes rubber hoses. The plant was operating at the time of this inspection. The main emission sources are two ga fired boilers, rubber formulation mixers, and a molten lead proces

One permit, #72111011, which expires in December, 1994, covers all of the emission sources at this facility.

Boilers:

There are two boilers of about 96 million BTU per hour input each. They usually burn natural gas, but sometimes use fuel oil. Last year there were about six days where fuel oil was burned.

Compounding Area:

In this area, the various dry ingredients for the rubber compounds are handled, measured, and weighed. A bag filter controls dust emissions. Emissions are 0.2 pounds per hour actual with 5 pounds per hour allowed.

Banbury Mixers:

There are three Banbury mixers where the various ingredients are mixed for rubber compounds. Air suction through bag filters control dust emissions. Emissions are about 0.04 pounds per hour each with 3 pounds per hour allowed.

Cement House:

This process is in a building separate from the rest of the facility. Special glues are applied to some types of hose to connect to fittings which makes the connection stronger and better sealed. Emissions are 0.4 pounds per hour of VOC with 8.0 pounds per hour allowed.

5/15/92

IL 532-1245
APC 422(Rev.7/86)

Mandrel Extruder:

This extruder forms some types of hose and has a bag filter for dust control. A mica powder is used as a lubricant in the extruder. Emissions are negligible with 0.7 pounds per hour allowed.

Cover Extruders:

There are six cover extruders that form a rubber outside layer over hose cores. Bag filters control dust emissions. Emissions are 0.1 pounds per hour with 3 pounds per hour allowed for each extruder.

Lead Processes:

A certain type of hose is made by encasing the uncured rubber hose with lead, heating in a oven to cure the rubber, and then stripping the lead from the cured hose. The stripped lead is reused. The company has been unable to develop a lead-free process that can produce an equivalent quality hose.

There are two lead melters and two drossing machines that coat the uncured hose with a layer of lead. There are four strippers that remove the lead for reuse from the cured hoses after curing in ovens. Bag filters control dust emissions.

	Emissions: Actual	Allowed
Lead Melters (each)	0.05 lbs/hr	35.4 lbs/hr
Drossing (each)	0.02 lbs/hr	0.6 lbs/hr
Stripping (each)	0.05 lbs/hr	14.9 lbs/hr

Storage Tanks:

There are four small tanks of about 500 gallons each that contain kerosene, barsol, and toluol. Other tanks of about 25,000 gallons each have mineral oil and fuel oil.

Hose Flusher:

A small unit to flush hoses has been installed. It uses a derivative of citrus oil which has low volatility and only, at most, a few hundred gallons per year are used.

Calcium Carbonate Storage:

Dry powdered calcium carbonate is stored in a silo. Pneumatic unloading trucks fill the silo and the material is pneumatically conveyed to the process. A baghouse controls dust emissions. Calcium carbonate is an ingredient in some rubber compounds.

Parts Washer:

A construction permit was issued for a parts washer using a water-base alkali solution.

WK/pg
0069F

cc: -W. Kahila
-I.D. File #095 808 AAB